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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/727,888	12/03/2003	Donald J. Redwine	TI-36739	6753	
23494	7590 06/07/2005		EXAMINER		
TEXAS INSTRUMENTS INCORPORATED P O BOX 655474, M/S 3999			LE, THONG QUOC		
DALLAS, TX 75265			ART UNIT	PAPER NUMBER	
			2827		
			DATE MAILED: 06/07/2004	•	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	-AI				
	10/727,888	REDWINE ET AL.					
Office Action Summary	Examiner	Art Unit					
	Thong Q. Le	2827					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the mearned patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a reply within the statutory minimum of third will apply and will expire SIX (6) MC atute, cause the application to become A	a reply be timely filed irty (30) days will be considered timely. DNTHS from the mailing date of this commur ABANDONED (35 U.S.C. § 133).	nication.				
Status							
1) Responsive to communication(s) filed on _							
2a) This action is FINAL . 2b) ⊠ T	his action is non-final.						
3) Since this application is in condition for allo	•	· •	rits is				
closed in accordance with the practice unde	er <i>Ex parte Quayle</i> , 1935 C.	D. 11, 453 O.G. 213.					
Disposition of Claims							
4) Claim(s) 1-27 is/are pending in the applicat	ion.						
4a) Of the above claim(s) is/are without	drawn from consideration.						
5)⊠ Claim(s) <u>8-11</u> is/are allowed.							
· _ · · · · · · · · · · · · · · · · · ·	6)⊠ Claim(s) <u>1-4,12-15 and 19-27</u> is/are rejected.						
7)⊠ Claim(s) <u>5-7,16-18</u> is/are objected to.							
8) Claim(s) are subject to restriction an	d/or election requirement.						
Application Papers	·		`				
9)☐ The specification is objected to by the Exam							
10)☐ The drawing(s) filed on is/are: a)☐ a	, ,	•					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the	Examiner. Note the attache	ed Office Action or form PTO-1	52.				
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 							
	2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a	list of the certified copies no	ot received.					
Attachment(s)							
1) X Notice of References Cited (PTO-892)	4) \square Interview	Summary (PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No	o(s)/Mail Date					
3) Ynformation Disclosure Statement(s) (PTO-1449 or PTO/SB. Paper No(s)/Mail Date 12/03/2003.	/08) 5) \(\bigcup \text{Notice of } \) 6) \(\bigcup \text{Other: } \(\bigcup \text{Other: } \)	Informal Patent Application (PTO-152)				

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DETAILED ACTION

1. Claims 1-27 are presented for examination.

Information Disclosure Statement

- This office acknowledges receipt of the following items from the Applicant:
 Information Disclosure Statement (IDS) filed on 12/03/2003.
- 3. Information disclosed and list on PTO 1449 was considered.

Specification

4. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Objections

- 5. Regarding claims 2-7, 13-27, line 1, should be changed "A method" to –The method--.
- 6. Regarding claims 8-11, line 1, should be changed "A memory circuit" to –The memory circuit--.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application

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by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

8. Claims 1-4,12-15,19-27 are rejected under 35 U.S.C. 102(e) as being anticipated by Wong (U.S. Patent No. 6,549,453).

Regarding claims 1, 12, Wong discloses a method of operating a memory circuit (ABSTRACT), comprising the steps of:

applying a first voltage to a power terminal of a memory cell having a first and a second data terminal (ABSTRACT);

storing a data bit in the memory cell while the power terminal receives the first voltage;

applying a second voltage different from the first voltage to the power terminal (ABSTRACT);

applying a third voltage to the first and second data terminals while the power terminal receives the second voltage (Column 1, lines 45-48); and

applying the first voltage to the power terminal (Column 2, lines 18-34).

Regarding claims 2-4,13-15,19-27, Wong discloses a step of removing the third voltage from the first and second data terminals (Column 4, lines 20-23), and wherein

the step of applying the third voltage comprises activating a wordline (Column 1, lines 45-48), and wherein the step of applying the third voltage comprises activating a control signal (Column 3, lines 35-40).

Allowable Subject Matter

9. Claims 5-7, 16-18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 5-7,16-18 include allowable subject matter since the prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Wong (U.S. Patent No. 6,549,453), and others, does not teach the claimed invention having a method of operating a memory circuit comprises a step of waiting for grace period after the step of detecting, and applying the second voltage and third voltage in response to the step of waiting.

10. Claims 8-11 are allowed.

Claims 8-11 include allowable subject matter since the prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Wong (U.S. Patent No. 6,549,453), and others, does not teach the claimed invention having a memory circuit comprises a row counter circuit coupled to receive a clock signal, the row counter circuit producing a sequence of row address signals in synchronization with the clock signal and in response to a control signal.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thong Q. Le whose telephone number is 571-272-1783. The examiner can normally be reached on 8:00am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoai V. Ho can be reached on 571-272-1777. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong Q. Le Primary Examiner Art Unit 2827

THONG LEI PRIMARY EXAMINER